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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,763	07/05/2001	Sadhana S. Rau	16159.009001;P5908	4587

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EXAMINER

BROSS, EDWARD J

ART UNIT

PAPER NUMBER

2126

DATE MAILED: 05/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/900,763

Applicant(s)

RAU ET AL.

Examiner

Edward Bross

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 December 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-44 are pending in this application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1, 2, 4, 10, 11, 19, 20, 29, 39 and 41-44 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by CVS Web Client, Version 2.2, 4/14/2001 (p. 1- p. 5).

1. As to claims 1 and 39, CVS Web Client teaches the invention as claimed including a mechanism for controlling access to workspaces, comprising:

a repository for storing the workspaces (CVS repository p. 1);

an interface having a set of methods that can be invoked to access the repository (the underlying CVS commands as implied by abilities listed under “Changes:” p. 3); and

a server having at least one server object which implements the interface (cvswebread.cgi p. 3).

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2. As to claim 2, CVS Web Client teaches the invention as claimed including the workspaces comprise files stored under a version control abstraction (CVS repository p. 1).
3. As to claim 4, CVS Web Client discloses the server communicates using HTTP protocol (“using only a web browser” p. 1).
4. As to claims 10 and 19, CVS Web Client teaches the invention as claimed including a proxy object that can be called to forward a request for a method of the server object to the server (the cvswebread.cgi object that forwards requests to the underlying CVS repository).
5. As to claims 11, 20 and 29, CVS Web Client teaches the invention as claimed including the proxy object implements the interface (the proxy object implicitly implements the interface to the underlying CVS repository to allow for checkouts, updates, and searching of the repository).
6. As to claim 41, CVS Web Client discloses a system for remotely accessing workspaces in a network, comprising:
 - a repository for storing the workspaces (the underlying CVS repository p. 1);
 - an interface having a set of methods that can be invoked to access the repository (the underlying CVS commands as implied by abilities listed under “Changes:” p. 3);
 - a first server that provides management functions for the repository (the CVS server process which is a part of all CVS repositories p. 1); and

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a second server having at least one server object that implements the interface and that interacts with the first server to access the repository (cvswwebread.cgi p. 3).

7. As to claim 42, CVS Web Client discloses a client that sends messages to and receives responses from the second server (the client's web browser).

8. As to claim 43, CVS Web Client discloses a mechanism for remotely invoking a method of the server object (the client's web browser is remote from the server object).

9. As to claim 44, CVS Web Client discloses the first server comprises at least one object which implements the interface (cvswwebread.cgi which implements the interface necessary to access the CVS repository).

Claim Rejections - 35 USC § 103

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 3, 5-9, 12-18, 21-28, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over CVS Web Client in view of Tomcat, Version 3.1, 4/18/2000.

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12. As to claim 3, CVS Web Client discloses the limitations as for claim 1 above. CVS Web Client does not disclose a servlet which parses requests sent to the servlet and delegates processing of the requests to the server object. Tomcat discloses a servlet that delegates processing of requests to a server object (p. 2, section 5.3 - request dispatcher).

13. It would have been obvious to one of ordinary skill in the art at the time of the invention to use the servlet of Tomcat with CVS Web Client in order to leverage the robustness, scalability and portability of the Java platform that Tomcat is built on.

14. As to claim 5, CVS Web Client does not explicitly disclose the server communicates using HTTPS protocol; however, HTTPS is a well known protocol in the art used in many of the same situations as HTTP. It would have been obvious to one of ordinary skill in the art at the time of the invention to use HTTPS to communicate with the system of the CVS Web Client to provide security when accessing the repository over public networks.

15. As to claim 6, it is rejected for the same reasons as claim 3 above.

16. As to claim 7, Tomcat discloses a container which provides runtime support for the servlet (p. 1 "INTRODUCTION").

17. As to claim 8, Tomcat discloses the container is built into a web server (when used "stand alone").

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18. As to claim 9, Tomcat discloses the container is connected to a web server (p. 1, "INTRODUCTION").
19. As to claims 12, 21 and 25, they are rejected for the same reason as 3 above.
20. As to claims 13 and 26, they are rejected for the same reason as claim 7 above.
21. As to claim 14, it is rejected for the same reason as claim 8 above.
22. As to claim 15, it is rejected for the same reason as claim 9 above.
23. As to claims 16, 22 and 27, they are rejected for the same reason as claim 4 above.
24. As to claims 17, 23 and 28, they are rejected for the same reason as claims 5 above.
25. As to claims 18, 24 and 30, they are rejected for the same reason as claim 2 above.
26. Claims 31-35, 38 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over CVS Web Client in view of Narayanan (5,689,664).
27. As to claim 31, CVS Web Client discloses a method for executing transactions in a network having a client-side and a server-side, comprising:

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calling a method of a proxy object that implements an interface having a set of methods that can be invoked to access a repository of workspaces (cvswebread.cgi).

CVS Web Client does not disclose this object is a client-side proxy object; and transmitting the method call to a server-side object which processes the method call and returns the result to the client-side proxy object.

28. Narayanan discloses an object is a client-side proxy object having a set of methods that can be invoked (col. 4, lines 22-24); and

transmitting the method call to a server-side object which processes the method call and returns the result to the client-side proxy object (col. 4, lines 28-39).

29. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the client-side proxy object of Narayanan with the CVS Web Client to provide an alternative method of access that reduces overhead (col. 4, lines 45-48).

30. As to claim 32, Narayanan discloses transmitting the method call to the server-side object composes translating the method call into a client request (col. 4, lines 31-35, 208).

31. As to claim 33, Narayanan discloses transmitting the method call to the server-side object further includes transmitting the client request to a server (col. 4, line 36 server object).

32. As to claim 34, it is rejected for the same reasons as claim 4.

33. As to claim 35, it is rejected for the same reason as claim 5.

34. As to claim 38, Narayanan discloses a method of the client-side proxy object is called as a result of executing a command on the client-side (col. 4, lines 30-31).

35. As to claim 40, Narayanan discloses the mechanism comprises a stub which acts as a proxy for the server object and a skeleton that invokes the method on the server object (Fig. 4: 408 stub, 410 skeleton).

36. Claims 36 and 37 rejected under 35 U.S.C. 103(a) as being unpatentable over CVS Web Client in view of Narayanan (5,689,664) in further view of Tomcat.

37. As to claim 36, CVS Web Client and Narayanan do not disclose a servlet generating a response. Tomcat discloses a servlet that that generates a response (p. 2, section 5.3 - request dispatcher).

38. It would have been obvious to one of ordinary skill in the art at the time of the invention to use the servlet of Tomcat with CVS Web Client in order to leverage the robustness, scalability and portability of the Java platform that Tomcat is built on.

39. As to claim 37, CVS Web Client and Narayanan do not disclose a servlet which delegates processing of the requests to the server object. Tomcat discloses a servlet that delegates processing of requests to a server object (p. 2, section 5.3 - request dispatcher).

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40. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Bross whose telephone number is 305-8754. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EB



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